

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 61-095641

(43)Date of publication of application : 14.05.1986

(51)Int.Cl.

H04L 11/00

(21)Application number : 59-216125

(71)Applicant : HITACHI LTD

(22)Date of filing : 17.10.1984

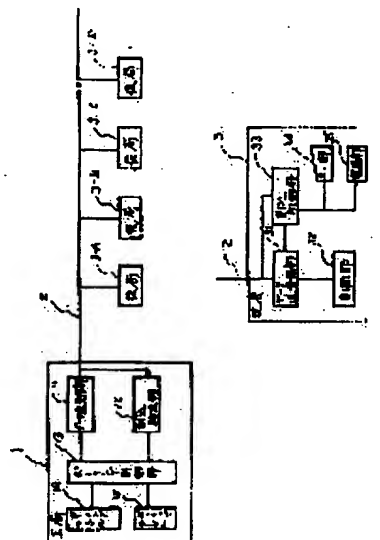
(72)Inventor : MATSUNAGA MASARU

(54) DATA TRANSMISSION CONTROL SYSTEM

(57)Abstract

PURPOSE: To improve the utilizing efficiency of a transmission line by stopping polling to a slave station having a fault and whose operation is disabled and restarting the polling to the said slave station when an interruption request from the slave station exists.

CONSTITUTION: A polling control section 13 of a master station 1 extracts an address of a slave station 3 registered in a polling table 14 from the head in order. In extracting a slave station address 3-A, the master station transmits a polling signal 101 superimposed on the address to the slave station 3 via a data transmission/reception section 11 and a transmission line 2. The reception station 3-A receives a polling signal via a data transmission reception section 31 and a control section 32 confirms it to be a polling signal to the own station, and when no data to be transmitted to the master station 1 exists, the response representing no data is transmitted, and when the data exists, it is transmitted to the master station 1 via the data transmission/reception section 31 and the transmission line 2. Similarly, polling is executed for the next slave station similarly.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

BEST AVAILABLE COPY

Partial Translation of JP61-95641

(19) Japanese Patent Office (JP)

(12) Unexamined Patent Publication Bulletin

(11) Unexamined Patent Publication No. 61-95641

(43) Publication of application: May 14, 1986

(51) Int. Cl6.: H04L 11/00

(54) TITLE OF THE INVENTION :

DATA TRANSMISSION CONTROL SYSTEM

(21) Patent Application No. 59-216125

(22) Date of Application : October 17, 1984

(72) Inventor : (Masaru MATSUNAGA)

(71) Applicant: Hitachi Ltd.

(74) Attorney: (Akio TAKAHASHI, et al.)

(p. 221, left column, line 4 through line 13)

A data transmission control system for performing data transmission between a master station for performing control over a transmission channel, and a plurality of slave stations in branching connection with the same transmission channel by a polling method, wherein a polling against a slave station is terminated when the slave station whereto a polling is directed from the master station gets into a not-ready state, and wherein an interrupt signal is issued by a slave station when the slave station gets into a ready state, and the polling against the slave station is restarted by the interrupt signal being detected by the master station.

BEST AVAILABLE COPY